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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/866,664	05/30/2001	Taro Ikeda	35.C15393	5135

5514 7590 06/28/2005

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NEW YORK, NY 10112

EXAMINER

POON, KING Y

ART UNIT	PAPER NUMBER
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2624

DATE MAILED: 06/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/866,664	IKEDA, TARO	
	Examiner	Art Unit	
	King Y. Poon	2624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 March 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 8-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 8-11 and 13-15 is/are rejected.
- 7) ☒ Claim(s) 12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 8-11, 13-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pichler et al (US 4,727,805) in view of Masuda et al (US 6,280,208).

Regarding claim 8: Pichler teaches an image forming apparatus (printer, column 3, line 50) that forms an image on a recording material, said image forming apparatus comprising: an electric board (electronic circuit, column 4, lines 18-20); a unit, (electromagnets, column 4, line 18), provided at a portion spaced from the electrical board (inherent, the cable is used to energized the magnet, column 4, lines 1-5), receiving current from the electrical board; an electrical cable (column 3, lines 55-60, column 5, lines 37-45) which electrically connects between the electrical board and the unit, wherein a surface of the electrical cable is insulated (column 5, lines 38-42); and a electrical holder (column 5, lines 55, fig. 4), a conductive sheet provided on the holder is grounded, (see 25, fig. 4, column 6, lines 10-15, 16a of fig. 2), and cable supporting member (the area of the holder that is holding insulated conductor 18 and 19, fig. 4, column 5, lines 37-45) which supports the electrical cable to contact the surface of the electrical cable.

Note: grounding is for grounding leak electric current from conductors if the conductors are exposed.

Pichler does not teach the holder having a resin member and the conductive sheet is provided on the resin member.

Masuda, in the same field of providing support for insulated wire (shield electric wire, column 5, lines 50-55) used in supplying current to an electric motor, (note a electric motor is an electromagnetic devices), teaches holder having a resin member and the conductive sheet is provided on the resin member (column 5, lines 40-41, column 5, lines 43-44, column 5, lines 51-55, column 6, lines 48-54) for grounding.

Therefore, it would have been obvious to a person with ordinary skill in the art at the time the invention was made to have modified Pichler to include: the holder having a resin member and the conductive sheet is provided on the resin member.

It would have been obvious to a person with ordinary skill in the art at the time the invention was made to have modified Pichler by the teaching of Masuda because it will effective holds and ground the electric cable at low cost, as taught by Masuda at column 3, lines 30-31.

Regarding claim 9: Pichler teaches wherein the electrical cable supporting member is integral with the electrical cable holder (fig. 4, the cable holding area is inside the holder 24).

Regarding claim 10: Masuda teaches wherein the resin is grounded through a metal member of the image forming apparatus (column 6, lines 50-55, Masuda, also see 16a, fig. 2, Pichler).

Regarding claim 11: Masuda teaches wherein the electrical conductive sheet is removable from the resin member (since the electric conductive sheet and resin member are different material, it is inherent that the electrical conductive sheet can be removed from the resin member).

Regarding claim 13: Pichler teaches a high frequency electrical signal is transmitted to the unit with the electrical cable (column 4, lines 1-15, the electrical is operating on and off to print print elements).

Regarding claims 14-15: Pichler teaches wherein the electrical holder includes a plurality of electrical cable supporting members for supporting a plurality of electrical cables (18, 19, fig. 4).

Allowable Subject Matter

3. Claim 12 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

4. Applicant's arguments with respect to claims 8-11, 13-15 have been considered but are moot in view of the new ground(s) of rejection. Please see detailed office action.

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5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Conclusion

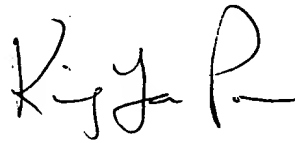
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to King Y. Poon whose telephone number is 571-272-7440. The examiner can normally be reached on Mon-Fri 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on 571-272-7437. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

June 20, 2005

A handwritten signature in black ink, appearing to read 'K. Y. Poon', with a stylized flourish at the end.

**KING Y. POON
PRIMARY EXAMINER**